

DAFTAR PUSTAKA

- Agarwal, V., 2015. Research on Data Preprocessing and Categorization Technique for Smartphone Review Analysis. *International Journal of Computer Applications*, [online] 131(4), pp.30–36. <https://doi.org/10.5120/IJCA2015907309>.
- Alasadi, S.A. and Bhaya, W.S., 2017. Review of data preprocessing techniques in data mining. *Journal of Engineering and Applied Sciences*, [online] 12(16), pp.4102–4107. <https://doi.org/10.3923/JEASCI.2017.4102.4107>.
- Al-Taie, M.Z., Kadry, S. and Lucas, J.P., 2019. Online data preprocessing: a case study approach. *International Journal of Electrical and Computer Engineering (IJECE)*, 9(4), pp.2620–2626. <https://doi.org/10.11591/ijece.v9i4.pp2620-2626>.
- Amien, S., Perdana, P., Bharata Aji, T. and Ferdiana, R., 2021. Aspect Category Classification dengan Pendekatan Machine Learning Menggunakan Dataset Bahasa Indonesia. *Jurnal Nasional Teknik Elektro dan Teknologi Informasi* /, 10(3).
- Azhar, A.N. and Khodra, M.L., 2021. Fine-tuning Pretrained Multilingual BERT Model for Indonesian Aspect-based Sentiment Analysis. [online] <https://doi.org/10.48550/arxiv.2103.03732>.
- Azhar, A.N., Khodra, M.L. and Sutiono, A.P., 2019. Multi-label Aspect Categorization with Convolutional Neural Networks and Extreme Gradient Boosting. *Proceedings of the International Conference on Electrical Engineering and Informatics*, 2019-July, pp.35–40. <https://doi.org/10.1109/ICEEI47359.2019.8988898>.
- Birjali, M., Kasri, M. and Beni-Hssane, A., 2021. A comprehensive survey on sentiment analysis: Approaches, challenges and trends. *Knowledge-Based Systems* 226 (2021) 107134, [online] 226, p.107134. <https://doi.org/10.1016/j.knosys.2021.107134>.
- Devlin, J., Chang, M.W., Lee, K. and Toutanova, K., 2018. BERT: Pre-training of Deep Bidirectional Transformers for Language Understanding. *NAACL HLT 2019 - 2019 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies - Proceedings of the Conference*, [online] 1, pp.4171–4186. <https://doi.org/10.48550/arxiv.1810.04805>.
- Fachrina, Z. and Widayantoro, D.H., 2018. Aspect-sentiment classification in opinion mining using the combination of rule-based and machine learning. *Proceedings of 2017 International Conference on Data and Software Engineering, ICODSE 2017*, 2018-January, pp.1–6. <https://doi.org/10.1109/ICODSE.2017.8285850>.
- Fransicus and Girsang, A.S., 2022. Sentiment Analysis of COVID-19 Public Activity Restriction (PPKM) Impact using BERT Method. *International Journal of Engineering Trends and Technology*, [online] 70(12), pp.281–288. <https://doi.org/10.14445/22315381/IJETT-V70I12P226>.
- Geetha, M.P. and Karthika Renuka, D., 2021. Improving the performance of aspect based sentiment analysis using fine-tuned Bert Base Uncased model. *International Journal of Intelligent Networks*, 2, pp.64–69. <https://doi.org/10.1016/J.IIJIN.2021.06.005>.
- Gong, Y., Liu, G., Xue, Y., Li, R. and Meng, L., 2023. A survey on dataset quality in machine learning. *Information and Software Technology*, 162, p.107268. <https://doi.org/10.1016/J.INFSOF.2023.107268>.
- Green, R., 2014. Collaborate or Compete: How Do Landlords Respond to the Rise in Coworking? [online] Available at: <<https://ecommons.cornell.edu/handle/1813/70738>> [Accessed 17 November 2022].
- Ilmania, A., Abdurrahman, Cahyawijaya, S. and Purwarianti, A., 2018. Aspect Detection and Sentiment Classification Using Deep Neural Network for Indonesian Aspect-

- Based Sentiment Analysis. *Proceedings of the 2018 International Conference on Asian Language Processing, IALP 2018*, pp.62–67. <https://doi.org/10.1109/IALP.2018.8629181>.
- Jafarian, H., Taghavi, A.H., Javaheri, A. and Rawassizadeh, R., 2021. Exploiting BERT to Improve Aspect-Based Sentiment Analysis Performance on Persian Language. *2021 7th International Conference on Web Research, ICWR 2021*, pp.5–8. <https://doi.org/10.1109/ICWR51868.2021.9443131>.
- Jayadianti, H., Jayadianti, H., Kaswidjanti, W., Utomo, A.T., Saifullah, S., Dwiyanto, F.A. and Drezewski, R., 2022. Sentiment analysis of Indonesian reviews using fine-tuning IndoBERT and R-CNN. *ILKOM Jurnal Ilmiah*, [online] 14(3), pp.348–354. <https://doi.org/10.33096/ilkom.v14i3.1505.348-354>.
- Jindal, K. and Aron, R., 2021. A systematic study of sentiment analysis for social media data. *Materials Today: Proceedings*. <https://doi.org/10.1016/j.matpr.2021.01.048>.
- Kurniasih, A. and Manik, L.P., 2022. On the Role of Text Preprocessing in BERT Embedding-based DNNs for Classifying Informal Texts. *International Journal of Advanced Computer Science and Applications*, [online] 13(6), pp.927–934. <https://doi.org/10.14569/IJACSA.2022.01306109>.
- Liu, H., Chatterjee, I., Zhou, M., Lu, X.S. and Abusorrah, A., 2020. Aspect-Based Sentiment Analysis: A Survey of Deep Learning Methods. *IEEE Transactions on Computational Social Systems*, 7(6), pp.1358–1375. <https://doi.org/10.1109/TCSS.2020.3033302>.
- Manifesty, O.R. and Afif, N., 2018. From Angkringan to Coworking Space: The Emergence of New Social Spaces for Young People. [online] Proceeding 4 th ICIAP: Design and Planning in Disruptive Era. Available at: <<https://www.researchgate.net/publication/332446329>> [Accessed 27 October 2022].
- Medhat, W., Hassan, A. and Korashy, H., 2014. Sentiment analysis algorithms and applications: A survey. *Ain Shams Engineering Journal*, 5(4), pp.1093–1113. <https://doi.org/10.1016/J.ASEJ.2014.04.011>.
- Mulyo, B.M. and Widyantoro, D.H., 2018. Aspect-based sentiment analysis approach with CNN. In: *International Conference on Electrical Engineering, Computer Science and Informatics (EECSI)*. Institute of Advanced Engineering and Science. pp.142–147. <https://doi.org/10.1109/EECSI.2018.8752857>.
- Nazir, A., Rao, Y., Wu, L. and Sun, L., 2022. Issues and Challenges of Aspect-based Sentiment Analysis: A Comprehensive Survey. *IEEE Transactions on Affective Computing*, 13(2), pp.845–863. <https://doi.org/10.1109/TAFFC.2020.2970399>.
- Nugroho, K.S., Sukmadewa, A.Y., DW, H.W., Bachtiar, F.A. and Yudistira, N., 2021. BERT Fine-Tuning for Sentiment Analysis on Indonesian Mobile Apps Reviews. *ACM International Conference Proceeding Series*, [online] pp.258–264. <https://doi.org/10.1145/3479645.3479679>.
- Poria, S., Hazarika, D., Majumder, N. and Mihalcea, R., 2020. Beneath the Tip of the Iceberg: Current Challenges and New Directions in Sentiment Analysis Research. *IEEE Transactions on Affective Computing*. <https://doi.org/10.1109/TAFFC.2020.3038167>.
- Prasetyaningtyas, S.W., Heryanto, C., Nurfauzi, N.F. and Tanjung, S.B., 2021. THE EFFECT OF WORK FROM HOME ON EMPLOYEE PRODUCTIVITY IN BANKING INDUSTRY. *Jurnal Aplikasi Manajemen*, [online] 19(3), pp.507–521. <https://doi.org/10.21776/UB.JAM.2021.019.03.05>.

- Pratama, Y., Bachtiar, F. and Setiawan, N., 2018. Analisis Sentimen Opini Pelanggan Terhadap Aspek Pariwisata Pantai Malang Selatan Menggunakan TF-IDF dan Support Vector Machine. *Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer*, [online] 2(No.12), pp.6244–6252. Available at: <<https://j-ptiik.ub.ac.id/index.php/j-ptiik/article/view/3556>> [Accessed 6 November 2022].
- Rizki Amalia, P. and Winarko, E., 2021. Aspect-Based Sentiment Analysis on Indonesian Restaurant Review Using a Combination of Convolutional Neural Network and Contextualized Word Embedding. *IJCCS (Indonesian Journal of Computing and Cybernetics Systems)*, [online] 15(3), pp.285–294. <https://doi.org/10.22146/ijccs.67306>.
- Roh, Y., Heo, G. and Whang, S.E., 2021. A Survey on Data Collection for Machine Learning: A Big Data-AI Integration Perspective. *IEEE Transactions on Knowledge and Data Engineering*, 33(4), pp.1328–1347. <https://doi.org/10.1109/TKDE.2019.2946162>.
- Shani, G. and Gunawardana, A., 2011. Evaluating Recommendation Systems. *Recommender Systems Handbook*, pp.257–297. https://doi.org/10.1007/978-0-387-85820-3_8.
- Suciati, A. and Budi, I., 2019. Aspect-based Opinion Mining for Code-Mixed Restaurant Reviews in Indonesia. *Proceedings of the 2019 International Conference on Asian Language Processing, IALP 2019*, pp.59–64. <https://doi.org/10.1109/IALP48816.2019.9037689>.
- Surya, P., Dewi, T., Susanti, A., Yogik, W. and Putra, A., 2022. The Transformation of Coffee Shops into Coworking Spaces During the Pandemic. *Proceedings of the 4th International Conference on Innovation in Engineering and Vocational Education (ICIEVE 2021)*, [online] 651, pp.272–278. <https://doi.org/10.2991/ASSEHR.K.220305.055>.
- Thakkar, H. and Patel, D., 2015. *Approaches for Sentiment Analysis on Twitter: A State-of-Art study*.
- Theo, M., Bangsa, A., Priyanta, S. and Suyanto, Y., 2020. Aspect-Based Sentiment Analysis of Online Marketplace Reviews Using Convolutional Neural Network. *IJCCS (Indonesian Journal of Computing and Cybernetics Systems)*, [online] 14(2), pp.123–134. <https://doi.org/10.22146/IJCCS.51646>.
- Vaswani, A., Shazeer, N., Parmar, N., Uszkoreit, J., Jones, L., Gomez, A.N., Kaiser, Ł. and Polosukhin, I., 2017. Attention Is All You Need. *Advances in Neural Information Processing Systems*, [online] 2017-December, pp.5999–6009. <https://doi.org/10.48550/arxiv.1706.03762>.
- Wilie, B., Vincentio, K., Indra Winata, G., Cahyawijaya, S., Li, X., Lim, Z.Y., Soleman, S., Mahendra, R., Fung, P., Bahar, S., Purwarianti, A. and Bandung, I.T., 2020. IndoNLU: Benchmark and Resources for Evaluating Indonesian Natural Language Understanding. [online] <https://doi.org/10.48550/arxiv.2009.05387>.
- Xu, X., Cheng, X., Tan, S., Liu, Y. and Shen, H., 2013. Aspect-level opinion mining of online customer reviews. *China Communications*, 10(3), pp.25–41. <https://doi.org/10.1109/CC.2013.6488828>.
- Yang, L. and Shami, A., 2020. On hyperparameter optimization of machine learning algorithms: Theory and practice. *Neurocomputing*, 415, pp.295–316. <https://doi.org/10.1016/J.NEUROCOM.2020.07.061>.
- Yanuar, M.R. and Shiramatsu, S., 2020. Aspect Extraction for Tourist Spot Review in Indonesian Language using BERT. *2020 International Conference on Artificial*

- Intelligence in Information and Communication, ICAIIC 2020*, pp.298–302.
<https://doi.org/10.1109/ICAIIC48513.2020.9065263>.
- Zhou, J., Huang, J.X., Chen, Q., Hu, Q.V., Wang, T. and He, L., 2019. Deep learning for aspect-level sentiment classification: Survey, vision, and challenges. *IEEE Access*, 7, pp.78454–78483. <https://doi.org/10.1109/ACCESS.2019.2920075>.
- Zohreh Madhoushi, Z.M., Hamdan, A.R. and Zainudin, S., 2019. Aspect-Based Sentiment Analysis Methods in Recent Years. *Asia-Pacific Journal of Information Technology & Multimedia*, 08(01), pp.79–96. <https://doi.org/10.17576/APJITM-2019-0801-07>.